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(54) **TABLET DOSAGE FORM**

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This patent is subject to a terminal dis-
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(58) **Field of Classification Search**

None

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,871,643 B2 * 1/2011 Lizio et al. 424/452
2005/0222136 A1 * 10/2005 Buschmann et al. 514/221

FOREIGN PATENT DOCUMENTS

EP 1020182 * 1/2000 A61K 9/20
WO WO 00/01368 * 1/2000 A61K 9/26

* cited by examiner

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(57) **ABSTRACT**

The present invention relates to novel tablet dosage forms and
methods of preparing these forms, which can be used for
different classes of pharmaceutical active ingredients posing
stability issues in a single unit system. The dosage form
includes a first layer, which includes a tablet of one or more
active pharmaceutical ingredients, which is inlaid in the first
layer along with other pharmaceutically acceptable excipi-
ents, and a second layer that includes one or more active
pharmaceutical ingredients optionally with other pharmaceu-
tically acceptable excipients.

9 Claims, 2 Drawing Sheets